

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/002367

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C07K14/54

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, MEDLINE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CHAE D-W ET AL: "MUTANT IL-15 PROTEIN EXERTING ANTAGONISTIC EFFECTS ON IL-15 TRIGGERED CELL PROLIFERATION" JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY, WILLIAMS AND WILKINS, BALTIMORE, MD, US, vol. 7, no. 9, 1 September 1996 (1996-09-01), page 1654, XP002042890 ISSN: 1046-6673 abstract	1-43
A	US 6 451 308 B1 (MASLINSKI WLODZIMIERZ ET AL) 17 September 2002 (2002-09-17) claims	1-43 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- *'&' document member of the same patent family

Date of the actual completion of the international search

8 June 2005

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05/07/2005

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 177 079 B1 (GRABSTEIN KENNETH H ET AL) 23 January 2001 (2001-01-23) claims -----	1-33
A	PETTIT D K ET AL: "STRUCTURE-FUNCTION STUDIES OF INTERLEUKIN 15 USING SITE-SPECIFIC MUTAGENESIS, POLYETHYLENE GLYCOL CONJUGATION, AND HOMOLOGY MODELING" JOURNAL OF BIOLOGICAL CHEMISTRY, AMERICAN SOCIETY OF BIOLOGICAL CHEMISTS, BALTIMORE, MD, US, vol. 272, no. 4, 24 January 1997 (1997-01-24), pages 2312-2318, XP002042891 ISSN: 0021-9258 cited in the application abstract -----	1-43
A	FEHNIGER T A ET AL: "Interleukin 15: biology and relevance to human disease" BLOOD, W.B.SAUNDERS COMPAGNY, ORLANDO, FL, US, vol. 97, no. 1, 1 January 2001 (2001-01-01), pages 14-32, XP002902996 ISSN: 0006-4971 cited in the application the whole document -----	1-43
P,X	BERNARD JÉRÔME ET AL: "Identification of an interleukin-15alpha receptor-binding site on human interleukin-15." THE JOURNAL OF BIOLOGICAL CHEMISTRY. UNITED STATES 4 JUN 2004, vol. 279, no. 23, 4 June 2004 (2004-06-04), pages 24313-24322, XP002286785 ISSN: 0021-9258 the whole document -----	1-43

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6451308	B1	17-09-2002	US	6001973 A		14-12-1999
			US	2003105295 A1		05-06-2003
			CA	2252557 A1		06-11-1997
			EP	0927254 A1		07-07-1999
			JP	2001502521 T		27-02-2001
			WO	9741232 A1		06-11-1997
<hr/>						
US 6177079	B1	23-01-2001	US	6168783 B1		02-01-2001
			US	5795966 A		18-08-1998
			US	2004253587 A1		16-12-2004
			AU	708549 B2		05-08-1999
			AU	5027596 A		11-09-1996
			CA	2210491 A1		29-08-1996
			EP	0811065 A1		10-12-1997
			FI	973361 A		15-10-1997
			JP	11500908 T		26-01-1999
			NO	973705 A		22-10-1997
			NZ	303843 A		29-04-1999
			NZ	334128 A		25-08-2000
			WO	9626274 A1		29-08-1996
			US	6013480 A		11-01-2000
			US	6165466 A		26-12-2000